

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	("2315695" "2516105" "3334210" "4839005" "5098533" "5244534" "5300155" "5344539" "5562529" "5567300" "5575885" "5618381" "5624300").PN.	US-PGPUB; USPAT	ADJ	ON	2007/07/18 13:40
S2	37	("09651779" "5676587" "5681423" "5780358" "5807165" "5840629" "5843818" "5846398" "5863307" "5888866" "5897375" "5911619" "5930699" "5934980" "5952687" "5954975" "5954997" "5972792" "5993637" "6001730" "6007695" "6010964" "6024856" "6033953" "6039633" "6046099" "6051496" "6060386" "6060395" "6063306" "6066030" "6066559" "6068787" "6083840" "6100197" "6103096" "6103628" "6103636").PN.	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:17
S3	9	("20020115283" "20040192052" "5162248" "6176992" "6395607" "6504247" "6753250" "6780772" "6881664").PN.	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:17
S4	1	("20030064669").PN.	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:18
S5	11	("20040259479" "20050133379" "20050173260" "20050178743" "239439" "6416647" "6693036" "6848970" "6852630" "6867136" "6893328").PN.	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:18
S6	2	("6722950" "6846227").PN.	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:18
S7	73	S1 or S2 or S3 or S4 or S5 or S6	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:18
S8	41	S7 and (colloid or abrasive)	US-PGPUB; USPAT	ADJ	ON	2007/06/07 13:25
S9	919447	acceler\$5 or suppress\$3	US-PGPUB; USPAT	ADJ	ON	2007/07/02 11:37
S10	2186943	vary\$3 or puls\$5 or ramp\$3 or waveform or multi\$1step	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:21
S11	2264560	voltage or current or bias or waveform	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:27
S12	483775	S10 with S11	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:23
S13	138711	S9 and S12	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:25

## EAST Search History

S14	4624	S13 and (electro\$1plat\$ or "204". clas. or "205".clas.)	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:27
S15	19	S12 same entry step	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:26
S16	1852246	current or waveform	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:27
S17	380642	S10 with S16	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:28
S18	3651	S17 and S14	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:29
S19	48898	(first near2 current) same (second near2 current)	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:30
S20	262	S19 and S14	US-PGPUB; USPAT	ADJ	ON	2007/07/02 12:30
S21	24	(US-20020036145-\$ or US-20020020628-\$ or US-20060049056-\$ or US-20050145499-\$ or US-20050051436-\$ or US-20030221966-\$ or US-20050250327-\$ or US-20040231996-\$ or US-20010015321-\$ or US-20030019755-\$ or US-20020004301-\$).did. or (US-7144805-\$ or US-6989328-\$ or US-6946065-\$ or US-6893550-\$ or US-6884335-\$ or US-6881318-\$ or US-6806186-\$ or US-6793796-\$ or US-6761814-\$ or US-6858121-\$ or US-6534116-\$ or US-6432821-\$ or US-4752360-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/07/02 14:57
S22	13	S21 and (amp\$4)	US-PGPUB; USPAT	ADJ	ON	2007/07/02 14:57
S23	1	("2002/0036145").URPN.	USPAT	ADJ	ON	2007/07/02 15:21
S24	21	("20020004301"   "20020022363"   "6245676"   "6297157"   "6340633").PN. OR ("2002/0036145"   "6432821"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 15:22
S25	919447	acceler\$5 or suppress\$3	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S26	2186943	vary\$3 or puls\$5 or ramp\$3 or waveform or multi\$1step	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S27	2264560	voltage or current or bias or waveform	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43

## EAST Search History

S28	483775	S26 with S27	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S29	138711	S25 and S28	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S30	4624	S29 and (electro\$1plat\$ or "204". clas. or "205".clas.)	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S31	48898	(first near2 current) same (second near2 current)	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S32	262	S31 and S30	US-PGPUB; USPAT	ADJ	ON	2007/07/02 15:43
S33	20	("20020004301"   "20020022363"   "6245676"   "6297157"   "6340633").PN. OR ("6432821"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 15:46
S34	96	superfill	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 15:47
S35	27	("2733198"   "2842488"   "2882209"   "2972572"   "3956120"   "4092226"   "4272335"   "4461680"   "4555315"   "4563399"   "5232575"   "5252196"   "5618634"   "5935762"   "5936707"   "5939788"   "5972192"   "6074544"   "6099711"   "6113771"   "6132584"   "6197181"   "6224737").PN. OR ("6793796"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 16:54
S36	1	09/289074.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 16:55
S37	0	09/245780.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 16:55
S38	2	("2002/0112964").URPN.	USPAT	ADJ	ON	2007/07/02 17:17
S39	1	"6224737".pn.	USPAT	ADJ	ON	2007/07/02 17:18
S40	1	"5972192".pn.	USPAT	ADJ	ON	2007/07/02 17:24
S41	102	205/102.ccls.	USPAT	ADJ	ON	2007/07/02 17:24

## EAST Search History

S42	22	("20010015321"   "3859337"   "4058439"   "4272335"   "4555315"   "4563399"   "4975159"   "4990224"   "5151167"   "5151170"   "5232575"   "5433840"   "5514261"   "5849171"   "5958207"   "5972192"   "6001234"   "6129830"   "6210555"   "6224737"   "6261433"   "6440289").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 17:26
S43	23	("20010015321"   "3859337"   "4058439"   "4272335"   "4555315"   "4563399"   "4975159"   "4990224"   "5151167"   "5151170"   "5232575"   "5433840"   "5514261"   "5849171"   "5958207"   "5972192"   "6001234"   "6129830"   "6210555"   "6224737"   "6261433"   "6440289").PN. OR ("6893550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/02 17:26
S44	1	"4009087".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/02 18:27
S45	8	("20020000271" "20020004301" "20030038038" "6162344" "6261963" "6395152" "6440295" "6638863").PN.	US-PGPUB; USPAT	ADJ	ON	2007/07/17 12:40
S46	5	("6605348" "6689462" "6899950" "7056579" "7141301").PN.	US-PGPUB; USPAT	ADJ	ON	2007/07/17 12:48
S47	1940	electroplating and brightener	US-PGPUB; USPAT	ADJ	ON	2007/07/17 12:56
S48	1	10/510656.app. and linearly	US-PGPUB; USPAT	ADJ	ON	2007/07/17 12:58
S49	1	10/510656.app. and linear	US-PGPUB; USPAT	ADJ	ON	2007/07/17 19:12
S50	1	"6491806".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/17 13:33
S51	1	10/510656.app. and micron	US-PGPUB; USPAT	ADJ	ON	2007/07/17 15:00
S52	1	"5993637".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/17 15:00

## EAST Search History

S53	15	("4092226"   "4272335"   "4461680"   "4563399"   "5618634"   "5935762"   "5936707"   "5939788"   "5969422"   "5972192"   "6074544"   "6099711"   "6113771"   "6132584"   "6197181").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/17 16:31
S54	15	("4092226"   "4272335"   "4461680"   "4563399"   "5618634"   "5935762"   "5936707"   "5939788"   "5969422"   "5972192"   "6074544"   "6099711"   "6113771"   "6132584"   "6197181").PN. OR ("6946065").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/17 17:11
S55	5	("6107186"   "6140241"   "6245676"   "6319831"   "6767826").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/17 17:44
S56	29	(US-20030019755-\$ or US-20030221966-\$ or US-20040231996-\$ or US-20050051436-\$ or US-20050145499-\$ or US-20050250327-\$ or US-20010015321-\$ or US-20020074234-\$ or US-20020074231-\$ or US-20020004301-\$ or US-20020020628-\$ or US-20060049056-\$ or US-20020036145-\$).did. or (US-4752360-\$ or US-6919011-\$ or US-6534116-\$ or US-6793796-\$ or US-6806186-\$ or US-6761814-\$ or US-6224737-\$ or US-6989328-\$ or US-6432821-\$ or US-5972192-\$ or US-6893550-\$ or US-7144805-\$ or US-6884335-\$ or US-6881318-\$ or US-6858121-\$ or US-6946065-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/07/17 18:27
S57	9	S56 and (rotation or rotating or rpm)	US-PGPUB; USPAT	ADJ	ON	2007/07/17 18:28
S58	1	10/510656.app. and recessed region	US-PGPUB; USPAT	ADJ	ON	2007/07/17 19:13
S59	14	semi\$1tool.as. and (void\$1free)	US-PGPUB; USPAT	ADJ	ON	2007/07/18 10:30
S60	14	semi\$1tool.as. and (void\$1free or bottom\$1up or superfill)	US-PGPUB; USPAT	ADJ	ON	2007/07/18 12:23

## EAST Search History

S61	8	("20010015321"   "4466864"   "5705230"   "6071398"   "6099711"   "6251250"   "6491806"   "6620303").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/18 11:02
S62	0	wo-99/54527-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/18 11:11
S63	0	wo99/54527-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/18 11:11
S64	2	wo-9954527-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/18 11:11
S65	57	(novellus).as. and (void\$1free or bottom\$1up or superfill)	US-PGPUB; USPAT	ADJ	ON	2007/07/18 12:35
S66	2305	(current with gradual\$3 with (increas\$3 or decreas\$3) with time)	US-PGPUB; USPAT	ADJ	ON	2007/07/18 12:36
S67	45	S66 and ((semitool).as. or (novellus).as. or (applied and materials).as. or (nec).as.)	US-PGPUB; USPAT	ADJ	ON	2007/07/18 12:37
S68	45	("20030029527"   "20030102210"   "3652442"   "3706651"   "3862891"   "4033833"   "4082638"   "4240886"   "4272335"   "4304641"   "4469564"   "4604177"   "4604178"   "4605482"   "4696729"   "4828654"   "4906346"   "4931149"   "4933061"   "5039381"   "5096550"   "5146136"   "5156730"   "5162079"   "5217586"   "5316642"   "5368711"   "5391285"   "5421987"   "5443707"   "5472592"   "5476578"   "5498325"   "5516412"   "5567300"   "5935402"   "6027631"   "6132587"   "6193860"   "6391166"   "6395152"   "6402923"   "6497801"   "6527920"   "6773571").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/18 12:41

## EAST Search History

S69	27	("2733198"   "2842488"   "2882209"   "2972572"   "3956120"   "4092226"   "4272335"   "4461680"   "4555315"   "4563399"   "5232575"   "5252196"   "5618634"   "5935762"   "5936707"   "5939788"   "5972192"   "6074544"   "6099711"   "6113771"   "6132584"   "6197181"   "6224737").PN. OR ("6793796"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/18 13:24
S70	11	2001/0015321	US-PGPUB; USPAT	ADJ	ON	2007/07/18 13:42
S71	3	(jonathan and reid and steven and mayer and jon and henri).in.	US-PGPUB; USPAT	ADJ	ON	2007/07/18 13:42
S72	45	("6162344").URPN.	USPAT	ADJ	ON	2007/07/18 15:29
S73	1	"20020112964"	US-PGPUB; USPAT	ADJ	ON	2007/07/18 18:26